

miRNeasy[®] Serum/Plasma Advanced Kit

Overview

Procedure

No phenol – superior yields

Efficient Exosome Lysis

Competitive Performance

Ultra Clean Eluates

Automated on QIAcube

Ordering Information

No phenol – higher yields!



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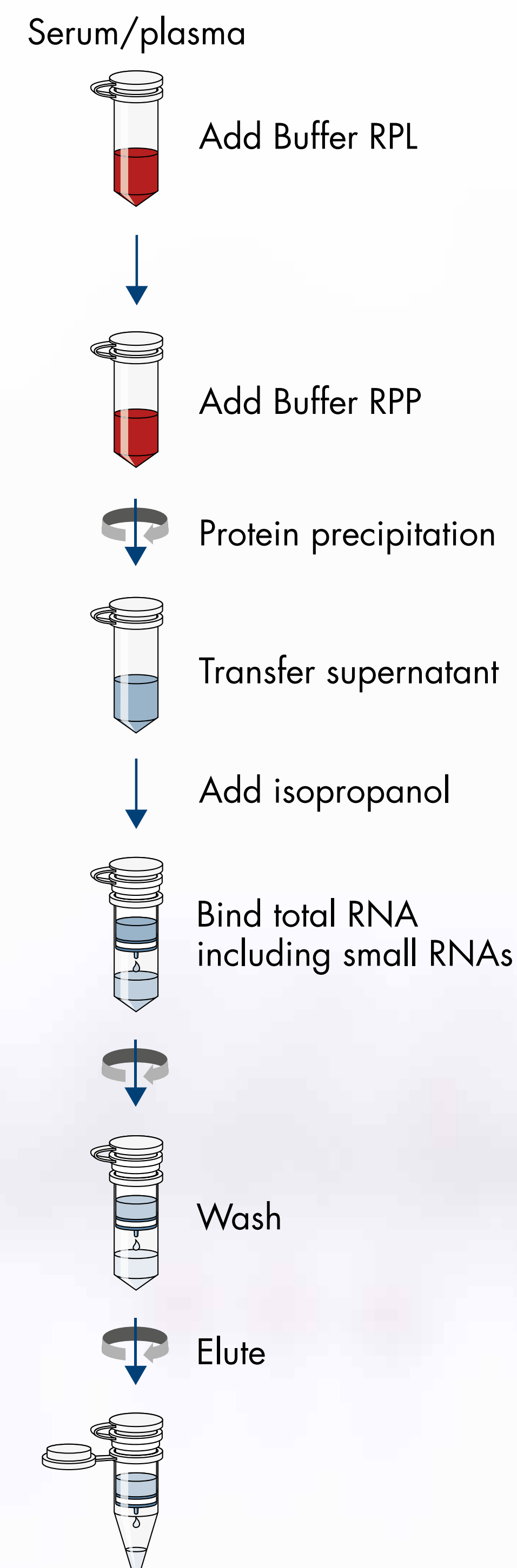
Automated on QIAcube

Ordering Information

Procedure

- Buffer RPL: Lysis of proteins, exosomes and inactivation of RNases
- Buffer RPP: Precipitation of proteins and other contaminants
- Optimal miRNA yields including exosomal miRNA from only 200 μ l of serum or plasma
- Elution in 20 μ l for highly concentrated miRNA
- UCP* columns for ultra clean eluates – especially suitable for highly sensitive applications like NGS

* UCP = Ultra Clean Production



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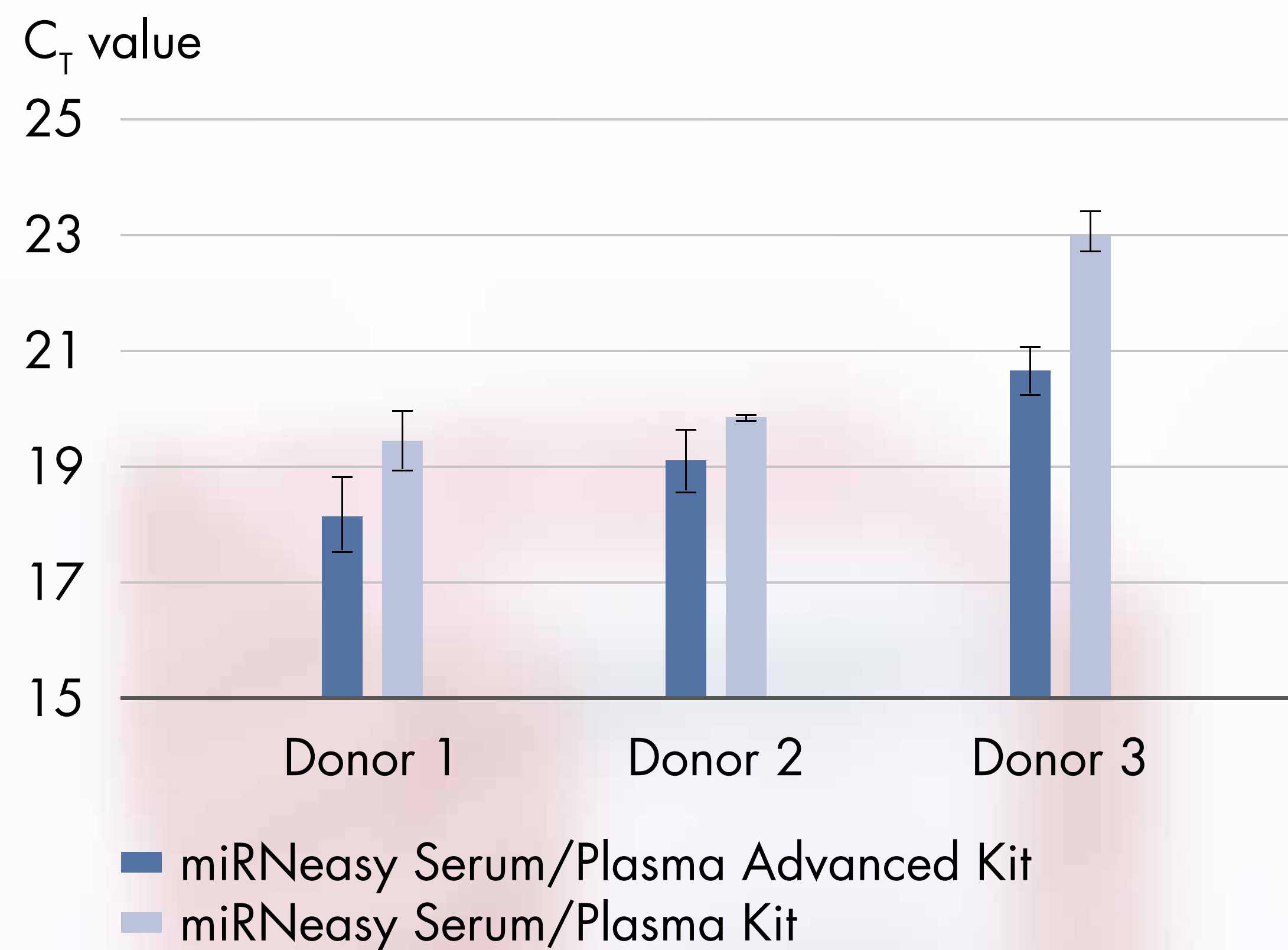
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No phenol and better miRNA yields



miRNA was isolated from 200 μ l plasma from 3 different samples. miScript[®] qRT-PCR was used to detect miR16.

- New miRNeasy Serum/Plasma Advanced Kit outperforms phenol-based miRNeasy Serum/Plasma Kit
 - Better yields
 - Easier, no organic solvents protocol

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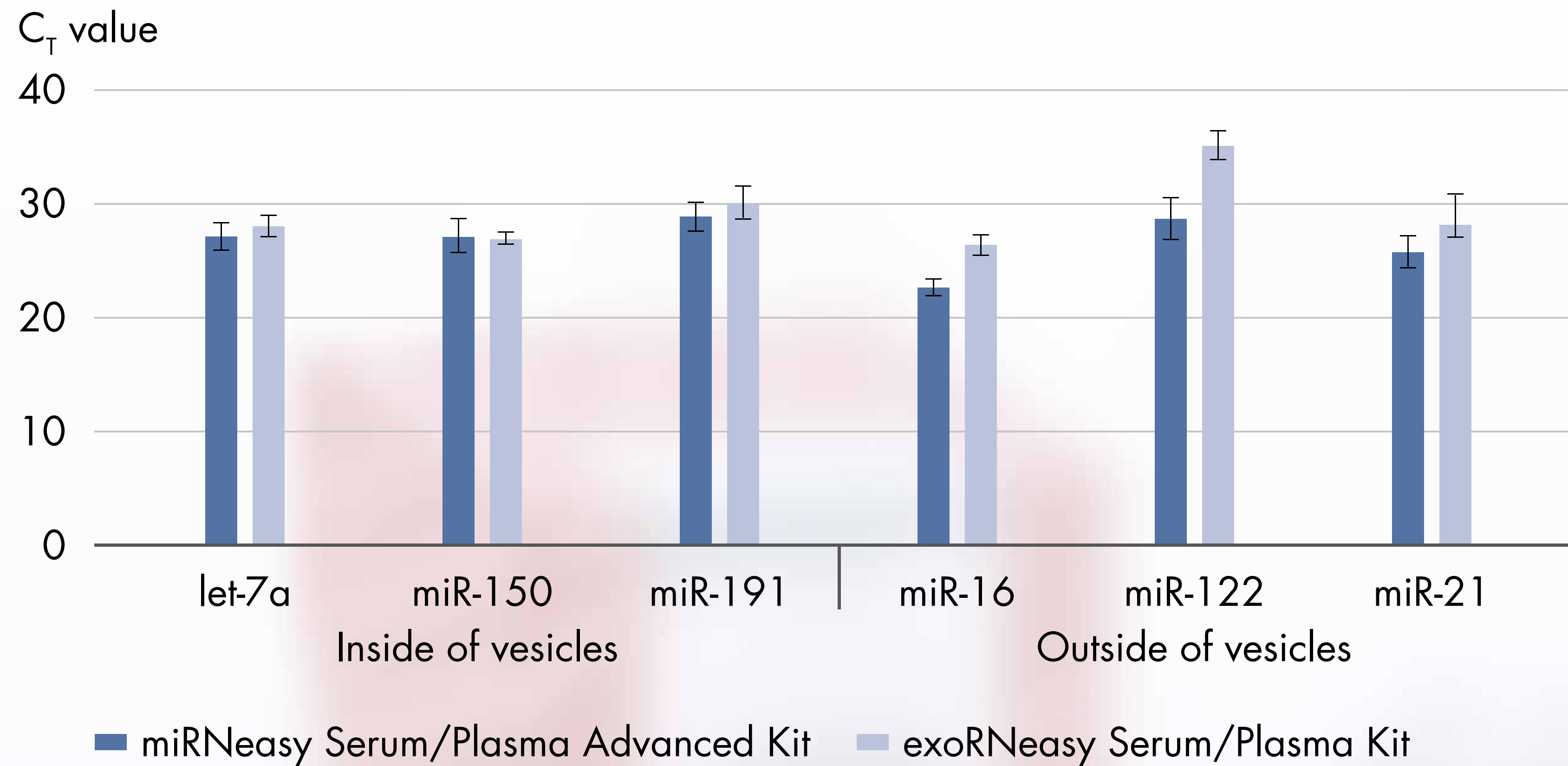
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Efficient lysis of exosomes to release exosomal miRNA



* Generated within CANCER ID project, funded by Innovative Medicines Initiative 2 Joint Undertaking (JU) under grant agreement No. 115749. The JU receives support from the European Union's Horizon 2020 research and innovation program and EFPIA

- miRNeasy Serum/Plasma Advanced Kit isolates and enables analysis of all cell-free RNAs inside and outside of vesicles
- exoRNeasy enables selective isolation of exosomal miRNA

miRNeasy Advanced combines high yields of miRNA with a fast and easy protocol

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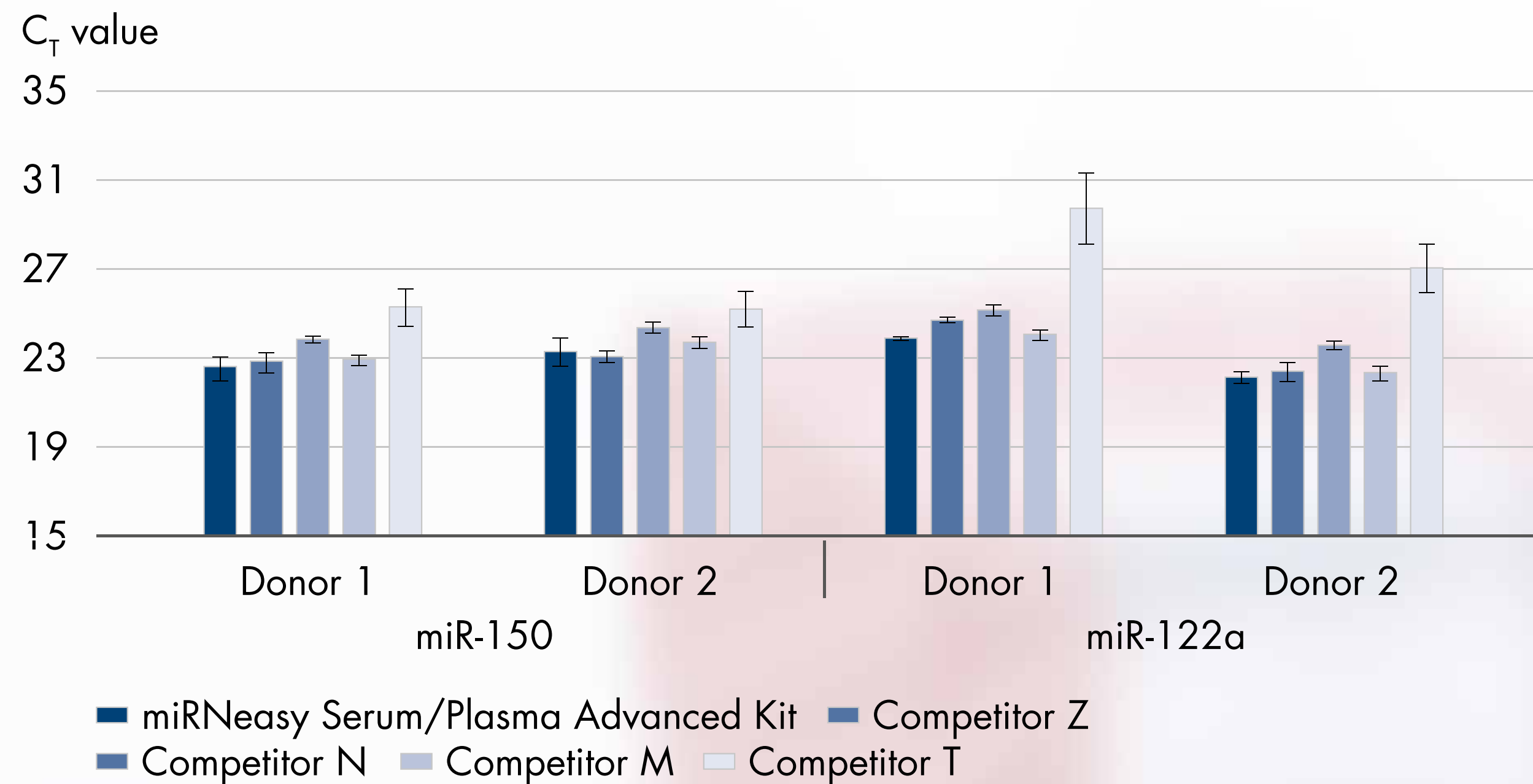
Efficient Exosome Lysis

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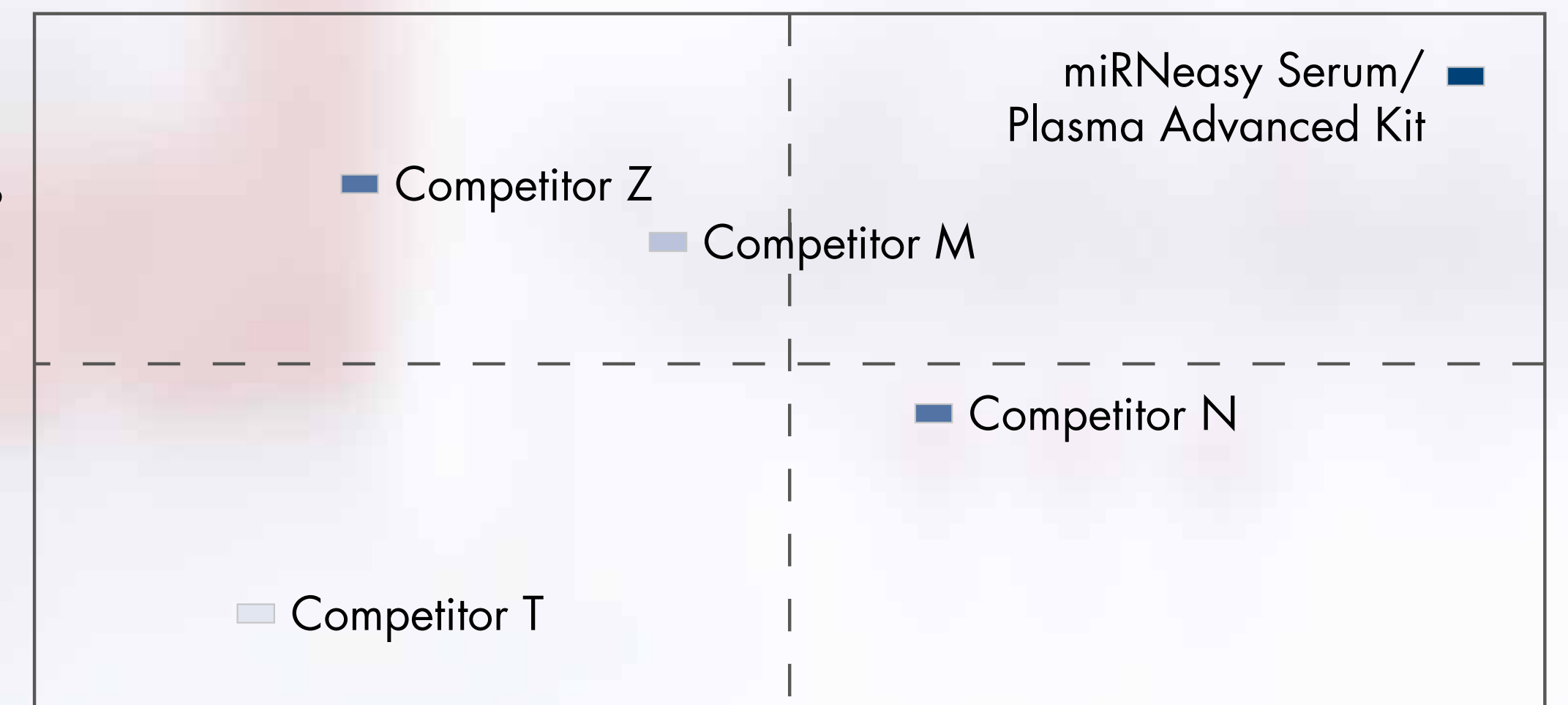
Ordering Information



miRNA was isolated from 200 µl plasma using the miRNeasy Serum/Plasma Advanced Kit or kits from other suppliers and analyzed using the miScript system on miR122a and miR150.

High yields

Low yields



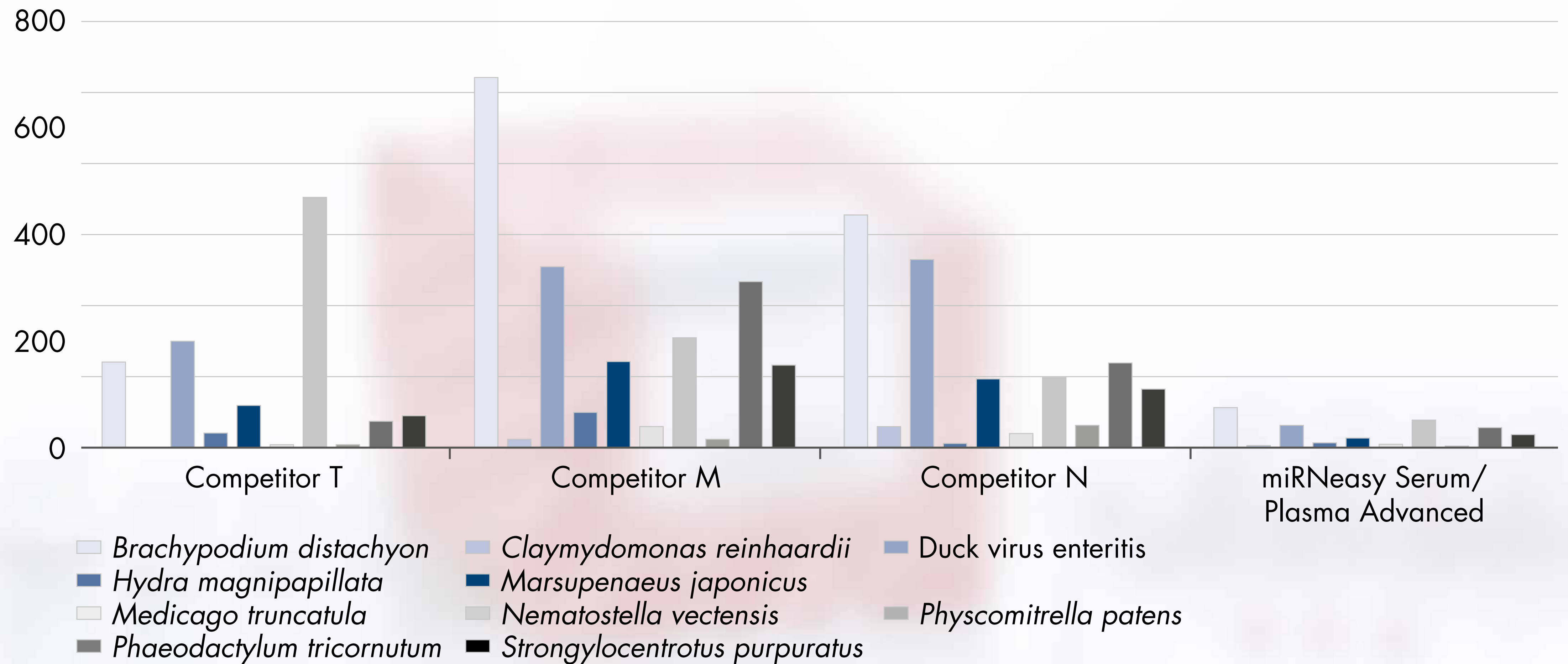
Long, laborious protocol

Fast, easy protocol

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UCP* columns provide ultra clean eluates suited for any downstream application

Number of contaminations per million reads



- QIAGEN UCP columns have the lowest amount of exogenous RNAs
- Minimized number of reads from exogenous RNAs

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- No change of purification chemistry when using the QIAcube®
- Increased productivity with automated sample extraction
- Standardized results

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Product	Description	Cat. no.
miRNeasy Serum/Plasma Advanced Kit (50)	For 50 total RNA preps: 50 RNeasy MinElute® Spin Columns, Collection Tubes (1.5 ml and 2 ml), RNase-Free Reagents and Buffers	217204
QIAseq® miRNA Library Kit	For gel-free miRNA library prep from as little as 1 ng total RNA for Illumina® sequencers	331502 331505
miRCURY® qPCR Assay	For exceptionally sensitive and specific miRNA profiling using LNA-enhanced miRNA qPCR	Various
QIAcube	Robotic workstation for automated purification of nucleic acids or proteins using QIAGEN spin-column kits, 1-year warranty on parts and labor	9001292*

* QIAcube (110 V) cat. no. 9001292 or QIAcube (230 V) cat. no. 9001293.

[Visit Webpage](#)

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